


|  |   |  |  |
|--|---|--|--|
| <b>Issue Classification</b><br> | <b>Application No.</b><br>09/396,381        | <b>Applicant(s)</b><br>YAMAZAKI ET AL. |  |
|  | <b>Examiner</b><br><br>Martin J Angebranndt | <b>Art Unit</b><br><br>1756            |  |

| ISSUE CLASSIFICATION         |   |          |   |                    |                                   |       |        |       |       |      |  |  |
|------------------------------|---|----------|---|--------------------|-----------------------------------|-------|--------|-------|-------|------|--|--|
| ORIGINAL                     |   |          |   | CROSS REFERENCE(S) |                                   |       |        |       |       |      |  |  |
| CLASS                        |   | SUBCLASS |   | CLASS              | SUBCLASS (ONE SUBCLASS PER BLOCK) |       |        |       |       |      |  |  |
| 430                          |   | 269      |   | 480                | 945                               | 273,1 | 270,11 |       |       |      |  |  |
| INTERNATIONAL CLASSIFICATION |   |          |   | 369                | 275,5                             |       |        |       |       |      |  |  |
| G                            | 1 | 1        | B | 7124               | 428                               | 64.6  | 64.4   | 694DE | 694TP | 694C |  |  |
|                              |   |          |   | /                  |                                   |       |        |       |       |      |  |  |
|                              |   |          |   | /                  |                                   |       |        |       |       |      |  |  |
|                              |   |          |   | /                  |                                   |       |        |       |       |      |  |  |
|                              |   |          |   | /                  |                                   |       |        |       |       |      |  |  |

\_\_\_\_\_  
(Assistant Examiner) (Date)

**SIAS**  
(Legal Instruments Examiner) (Date)

**MARTIN ANGEBRANDT**  
**PRIMARY EXAMINER**  
**GROUP 1100** 1770

*[Signature]*  
(Primary Examiner) 8/14/04  
(Date)

Total Claims Allowed: **148**

O.G.  
Print Claim(s)  
**1**

O.G.  
Print Fig.  
\_\_\_\_\_

| <input type="checkbox"/> Claims renumbered in the same order as presented by applicant |               |              |               | <input type="checkbox"/> CPA |               |       |                | <input type="checkbox"/> T.D. |                |                |                | <input type="checkbox"/> R.1.47 |          |  |  |
|--|---------------|--------------|---------------|------------------------------|---------------|-------|----------------|-------------------------------|----------------|----------------|----------------|---------------------------------|----------|--|--|
| Final  | Original      | Final        | Original      | Final                        | Original      | Final | Original       | Final                         | Original       | Final          | Original       | Final                           | Original |  |  |
| 1  | (1)           | 25           | 31            | 47                           | 61            | 77    | (91)           | 106                           | 121            | 134            | 151            |                                 | 181      |  |  |
| 2  | 2             | 26           | 32            | 50                           | 62            | 79    | (92)           |                               | <del>122</del> | 135            | 152            |                                 | 182      |  |  |
| 3  | 3             | 27           | 33            | 51                           | 63            | 80    | (93)           | 107                           | (123)          | 136            | 153            |                                 | 183      |  |  |
| 4  | 4             |              | <del>34</del> | 52                           | 64            | 78    | 94             | 108                           | (124)          | 137            | 154            |                                 | 184      |  |  |
| 5  | 5             | <del>3</del> | <del>35</del> | 53                           | 65            | 81    | 95             | 110                           | (125)          |                | <del>155</del> |                                 | 185      |  |  |
|  | <del>6</del>  | 28           | (36)          | 54                           | 66            | 82    | 96             | 111                           | (126)          | 138            | (156)          |                                 | 186      |  |  |
|  | <del>7</del>  | 29           | 37            |                              | <del>67</del> | 83    | 97             | 109                           | 127            | 139            | (157)          |                                 | 187      |  |  |
| 6  | (8)           | 30           | 38            | 56                           | (68)          | 84    | 98             | 112                           | 128            | 141            | (158)          |                                 | 188      |  |  |
| 7  | 9             | 31           | 39            | 57                           | (69)          | 85    | 99             | 113                           | 129            | 142            | (159)          |                                 | 189      |  |  |
| 8  | 10            | 32           | 40            | 59                           | (70)          |       | <del>100</del> | 114                           | 130            | 140            | 160            |                                 | 190      |  |  |
| 9  | 11            |              | <del>41</del> | 60                           | (71)          | 87    | (101)          | 115                           | 131            | 143            | 161            |                                 | 191      |  |  |
| 10   | 12            | 33           | 42            | 58                           | 72            | 88    | (102)          | 116                           | 132            | 144            | 162            |                                 | 192      |  |  |
|  | <del>13</del> | 34           | (43)          | 61                           | 73            | 90    | (103)          |                               | <del>133</del> | 145            | 163            |                                 | 193      |  |  |
| 11   | 14            | 35           | 44            | 62                           | 74            | 91    | (104)          | 118                           | (134)          | 146            | 164            |                                 | 194      |  |  |
| 12   | (15)          | 36           | 45            | 63                           | 75            | 89    | 105            | 119                           | (135)          | 147            | 165            |                                 | 195      |  |  |
| 13   | 16            | 37           | 46            | 64                           | 76            | 92    | 106            | 121                           | (136)          |                | <del>166</del> |                                 | 196      |  |  |
| 14   | 17            | 38           | 47            | 65                           | 77            | 93    | 107            | 122                           | (137)          | 55             | 167            |                                 | 197      |  |  |
| 15   | 18            |              | <del>48</del> |                              | <del>78</del> | 94    | 108            | 120                           | 138            | 86             | 168            |                                 | 198      |  |  |
| 16   | 19            |              | <del>49</del> | 66                           | (79)          | 95    | 109            | <del>123</del>                | 139            | 117            | 169            |                                 | 199      |  |  |
|  | <del>20</del> | 39           | (50)          | 67                           | (80)          | 96    | 110            | 124                           | 140            | <del>148</del> | 170            |                                 | 200      |  |  |
|  | <del>21</del> | 40           | 51            | 69                           | (81)          |       | <del>111</del> | 125                           | 141            |                | 171            |                                 | 201      |  |  |
| 17   | 22            | 41           | 52            | 70                           | (82)          | 97    | (112)          | 126                           | 142            |                | 172            |                                 | 202      |  |  |
| 18   | 23            | 42           | 53            | 68                           | 83            | 98    | (113)          | 127                           | 143            |                | 173            |                                 | 203      |  |  |
| 19   | 24            | 43           | 54            | 71                           | 84            | 100   | (114)          |                               | <del>144</del> |                | 174            |                                 | 204      |  |  |
| 20   | 25            |              | <del>55</del> | 72                           | 85            | 101   | (115)          | 128                           | (145)          |                | 175            |                                 | 205      |  |  |
| 21   | 26            | 44           | 56            | 73                           | 86            | 99    | 116            | 129                           | (146)          |                | 176            |                                 | 206      |  |  |
|  | <del>27</del> | 45           | (57)          | 74                           | 87            | 102   | 117            | 131                           | (147)          |                | 177            |                                 | 207      |  |  |
| 22   | 28            | 46           | (58)          | 75                           | 88            | 103   | 118            | 132                           | (148)          |                | 178            |                                 | 208      |  |  |
| 23   | (29)          | 47           | (59)          |                              | <del>89</del> | 104   | 119            | 130                           | 149            |                | 179            |                                 | 209      |  |  |
| 24   | 30            | 48           | (60)          | 76                           | (90)          | 105   | 120            | 133                           | 150            |                | 180            |                                 | 210      |  |  |